PERMIT NO. 3299-147-0006-B-03-0
ISSUANCE DATE: 06/01/2022

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality Permit

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to and in effect under that Act,

Facility Name:	**Colors & Effects USA, LLC**
Facility Address:	**29 Pinciaro Lane** **Hartwell, Georgia 30643 (Hart County)**
Mailing Address:	**P.O. Box 390** **Hartwell, Georgia 30643**
Facility AIRS Number:	**04-13-147-00006**

is issued a Permit for the following:

Operation of an existing non-metal mineral surface mining and processing facility to produce wet grind mica and associated air pollution control equipment as listed in Attachment A.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 28073 dated August 10, 2021 (revised on May 5, 2022); any other applications upon which this Permit is based; supporting data entered therein or attached thereto; or any subsequent submittals or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **14** pages.

STATE OF GEORGIA
CONSTITUTION
WISDOM JUSTICE MODERATION
1776

Richard E. Dunn, Director
Environmental Protection Division

1. General Requirements

1.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate this source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection or surveillance of the source.

1.2 The Permittee shall not build, erect, install or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged into the atmosphere.

1.3 The Permittee shall submit a Georgia Air Quality Permit application to the Division prior to the commencement of any modification, as defined in 391-3-1-.01(pp), which may result in air pollution, and which is not exempt under 391-3-1-.03(6). Such application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. The application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity and pollutant emission rates of the plant before and after the change, and the anticipated completion date of the change.

1.4 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and shall be retained for at least five (5) years following the date of entry.

1.5 In cases where conditions of this Permit conflict with each other for any particular source or operation, the most stringent condition shall prevail.

2. Allowable Emissions

2.1 The Permittee shall comply with the provisions of 40 CFR 60 Subpart OOO, *"Standards of Performance for Nonmetallic Mineral Processing Plants,"* for all subject equipment {for reference, see Attachment A}. In particular, for equipment in fixed or portable nonmetallic mineral processing plants which is subject to 40 CFR 60 Subpart OOO, the Permittee shall comply with the following for each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station:
[40 CFR 60.672] [Vault NS-017-EL, 02/10]

a. The Permittee shall not discharge or cause the discharge into the atmosphere, from each affected facility/source constructed, modified, or reconstructed after August 31, 1983, but before April 22, 2008, any

i. fugitive emissions (including those escaping capture systems) greater than 10 percent opacity except for any crusher that does not use a capture system, which shall not exhibit fugitive emissions greater than 15 percent opacity.

ii. stack emissions from capture systems feeding a dry control device which:

(A) contain particulate matter in excess of 0.05 g/dscm (0.022 grains/dscf) except for individually enclosed storage bins.

(B) exhibit greater than 7 percent opacity.

iii. Any baghouse that controls emissions from only an individually enclosed storage bin is exempt from the stack PM concentration limit (and associated performance testing) in paragraph a.ii.(A) but shall meet the stack opacity limit in paragraph a.ii.(B).

In particular, for any transfer point on a conveyor belt or any other affected facility enclosed in a building, each enclosed affected facility shall comply with the emission limits in paragraphs a.i. and a.ii. of this condition, or the building shall comply with the following emission limits:

iv. Fugitive emissions from the building openings (except vents with mechanically induced air flow for exhausting PM emissions from the building) shall not exceed 7 percent opacity.

v. PM emissions from any aforementioned vent shall not:

(A) contain particulate matter in excess of 0.05 g/dscm (0.022 grains/dscf).

(B) exhibit greater than 7 percent opacity.

vi. The emission limit in paragraph a.ii.(B) with associated opacity testing requirements do not apply for affected facilities using wet scrubbers.

b. The Permittee shall not discharge or cause the discharge into the atmosphere, from each affected facility/source constructed, modified, or reconstructed on or after April 22, 2008, any

i. fugitive emissions (including those escaping capture systems) exhibiting greater than 7 percent opacity except for any crusher that does not use a capture system, which shall not exhibit fugitive emissions greater than 12 percent opacity.

ii. stack emissions from capture systems feeding a dry control device which contain particulate matter in excess of 0.032 g/dscm (0.014 grains/dscf) except for individually enclosed storage bins.

iii. Any dry control device that controls emissions from an individually enclosed storage bin is exempt from the stack PM concentration limit (and associated performance testing) in paragraph (b)(ii) but shall not exhibit greater than 7 percent stack opacity.

In particular, for any transfer point on a conveyor belt or any other affected facility enclosed in a building, each enclosed affected facility shall comply with the emission limits in paragraphs b.i. and b.ii., or the building shall comply with the following emission limits:

iv. Fugitive emissions from the building openings (except vents with mechanically induced air flow for exhausting PM emissions from the building) shall not exceed 7 percent opacity.

v. PM emissions from any building vent with mechanically induced air flow for exhausting PM emissions shall not contain particulate matter in excess of 0.032 g/dscm (0.014 grains/dscf).

c. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of paragraphs a. and b.

2.2 The *Permittee* shall not cause, let, permit, suffer, or allow the rate of emissions from each manufacturing process particulate matter in total quantities equal to or exceeding the allowable rate calculated as follows:
[391-3-1-.02(2)(e)1(i)]

$E = 4.1P^{0.67}$; for process input weight rate up to and including 30 tons per hour

$E = 55\ P^{0.11} - 40$; for process input weight rate above 30 tons per hour

E = emission rate in pounds per hour
P = process input weight rate in tons per hour, excluding moisture

2.3 The Permittee shall not *discharge*, or cause the discharge, into the atmosphere, from all process equipment, any gases which exhibit visible emissions, the opacity of which is equal to or greater than 40 percent, unless otherwise specified.
[391-3-1-.02(2)(b)1]

3. Fugitive Emissions

3.1 The Permittee shall take all reasonable precautions to prevent fugitive dust from becoming airborne from any operation, process, handling, and transportation or storage facility. The opacity from any fugitive dust source shall not equal or exceed twenty percent. Reasonable precautions that should be taken to prevent dust from becoming airborne include, but are not limited to, the following:
[391-3-1-.02(2)(n)] [Vault GA-003-EL, 02/10]

a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts.

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations.

d. Covering, at all times when in motion, open-bodied trucks, transporting materials likely to give rise to airborne dust; and

e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.

4. Process & Control Equipment

4.1 Routine maintenance shall be performed on all air pollution control equipment. Maintenance records shall be recorded in a permanent form suitable and available for inspection by the Division. The records shall be retained for at least five years following the date of such maintenance.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

4.2 The Permittee shall maintain an inventory of baghouse filter bags such that an adequate supply of bags is on hand to replace any defective ones.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

4.3 The Permittee shall maintain an inventory of spray nozzles sufficient to accommodate replacement of any defective nozzles within the affected facility.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

4.4 The Permittee shall have, maintain, and use at all times the processing plant is in operation the wet suppression/water spray control systems, except during natural wet condition. The Permittee shall only operate the processing plant when there is sufficient water and water pressure to adequately supply the dust control devices specified.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

5. Monitoring

5.1 The Permittee shall install, calibrate, operate, and maintain pressure drop indicators on each baghouse and temperature indicators on each baghouse that receives gases at a higher than ambient air temperature. The Permittee shall read and record the pressure drop at least once per operating day in a log suitable for inspection and/or submittal to the Division.

5.2 The Permittee shall perform the following daily operation and maintenance checks on each dust suppression device. The inspection shall be conducted at least once per each day of operation. A daily record of the conditions found, and any corrective actions taken shall be retained for at least five years following the date of such record (a checklist or other similar log may be used for this purpose). The records shall be kept in a logbook in form which is suitable and available for inspection by the Division.

a. Visually inspect water sprays to ensure that the designed nozzle water spray pattern is produced (i.e., a fine, conical mist).

b. Check water sprays to ensure that they are directed toward the material.

c. Check nozzles to insure none are clogged, and that proper and adequate water flow sufficient to wet the material.

d. Check nozzles and pumps to ensure that there is sufficient pressure and flow to each nozzle to wet material.

5.3 For wet suppression systems used to control emissions from affected facilities constructed, modified, or reconstructed on or after April 22, 2008, that are subject to 40 CFR 60 Subpart OOO, the Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. If it is found that water is not flowing properly during an inspection of the water spray nozzles, the Permittee shall initiate corrective action within 24 hours and complete it as expediently as practical. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken in the logbook required in Condition 5.2. If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3, of 40 CFR 60 Subpart OOO, provided that the affected facility meets the following criteria:
[40 CFR 60.674(b) & 40 CFR 60.676(b)(1)]

a. The Permittee shall conduct periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility.

b. The Permittee shall designate which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under Condition 6.2.

If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required must specify the control mechanism being used instead of the water sprays.

6. Performance Testing

6.1 The Permittee shall cause to be conducted a performance test at any specified emission point when so directed by the Division. The following provisions shall apply regarding such tests:

a. All tests shall be conducted, and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants.

b. All test results shall be submitted to the Division within sixty (60) days of the completion of testing.

c. The Permittee shall provide the Division thirty (30) days prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test and shall provide with the notification a test plan in accordance with Division guidelines.

d. All monitoring systems and/or monitoring devices required by the Division shall be installed, calibrated and operational prior to conducting any performance test(s). For any performance test, the Permittee shall, using the monitoring systems and/or monitoring devices, acquire data during each performance test run. All monitoring system and/or monitoring device data acquired during the performance testing shall be submitted with the performance test results.

6.2 In accordance with the provisions of 40 CFR 60.8, for any equipment which is subject to the New Performance Standard, constructed or modified at the facility, the Permittee shall conduct a performance test within 60 days after achieving the maximum production rate at which the equipment will be operated, but no later than 180 days after initial startup, unless the equipment is specifically exempt from testing in the applicable Subpart of 40 CFR Part 60.
[40 CFR 60.8]

6.3 For any affected facilities, as defined in 60.670 and 60.671 of 40 CFR 60 Subpart OOO, *"Standards of Performance for Nonmetallic Mineral Processing Plants,"* that commence construction, modification, or reconstruction on or after April 22, 2008, the Permittee shall repeat performance test according to 40 CFR 60.11 and 40 CFR 60.675 within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in Condition 5.3 are exempt from this 5-year repeat testing requirement.
[Table 3 to 40 CFR 60 Subpart OOO]

6.4 If any wet material processing operation switches from processing saturated materials to processing unsaturated materials, the Permittee shall submit a report of this change within 30 days following such change. At the time of such change, this operation (e.g., screening operation, bucket elevator, or belt conveyor) becomes subject to the applicable opacity limit in Condition 2.1a. if it was constructed, modified, or reconstructed after August 31, 1983, but before April 22, 2008, or it becomes subject to Condition 2.1b. The Permittee shall conduct performance tests on the operation in accordance with the emission test requirements of Condition 6.2.
[40 CFR 60.676(g)]

7. Notification, Reporting and Record Keeping Requirements

7.1 In addition to complying with the applicable General Provisions of 40 CFR 60 - *"Standards of Performance for New Stationary Sources,*" the Permittee shall comply with the detailed notification, reporting, and recordkeeping requirements of 40 CFR 60 Subpart OOO, *"Standards of Performance for Nonmetallic Mineral Processing Plants,"* for all subject equipment. In particular,
[391-3-1-.02(6)(b)1 and 40 CFR 60.7, 60.48(c) & 60.676]

a. If the Permittee wishes to seek the exemption in 40 CFR 60.670(d), for existing facility constructed, modified, or reconstructed before August 31, 1983, the Permittee shall submit to the Division the following information about the existing facility being replaced and the replacement piece of equipment:
[40 CFR 60.676(a)]

i. for a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(A) The rated capacity in megagrams or tons per hour of the existing facility being replaced; and

(B) The rated capacity in tons per hour of the replacement equipment.

ii. for a screening operation:

(A) The total surface area of the top screen of the existing screening operation being replaced; and

(B) The total surface area of the top screen of the replacement screening operation.

iii. for a conveyor belt:

(A) The width of the existing belt being replaced; and

(B) The width of the replacement conveyor belt.

iv. for a storage bin:

(A) The rated capacity in megagrams or tons of the existing storage bin being replaced; and

(B) The rated capacity in megagrams or tons of replacement storage bins.

b. For each affected facility constructed, modified, or reconstructed on or after April 22, 2008, the Permittee shall record each periodic inspection required under 40 CFR 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The Permittee shall keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available upon request by the Division.
[40 CFR 60.676(b)(1)]

c. The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Condition 2.1, including reports of opacity observations made using Method 9 (40 CFR 60, Appendix A-4) to demonstrate compliance with the provisions of Condition 2.1.
[40 CFR 60.676(f)]

d. The Permittee using wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in Condition 2.1 and the emission test requirements of Condition 6.2.
[40 CFR 60.676(g)]

e. The Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.
[40 CFR 60.676(h)]

f. A notification of the actual date of initial startup of each affected facility shall be submitted as follows:
[40 CFR 60.676(i)]

i. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the Permittee to the Division. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

ii. For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

g. The requirements of this condition remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State. [40 CFR 60.676(j)]

h. Notifications and reports required for demonstrating compliance need only to be sent to the Division.
[40 CFR 60.676(k)]

7.2 In accordance with the provisions of 40 CFR 60.7, for any equipment which is subject to the New Source Performance Standard, the Permittee shall furnish the Division written notification of the actual date of initial startup of NSPS equipment postmarked within 15 days after such date.

8. Modifications

8.1 The Permittee shall give written notification to the Division when there is any modification to this source. This notice shall be submitted sufficiently in advance of any critical date involved to allow sufficient time for review, discussion, and revision of plans, if necessary. Such notice shall include, but not be limited to: information describing the precise nature of the change; modifications to any emission control system; production capacity of the plant before and after the change; schedule for any required testing, an updated Attachment A; and the anticipated completion date of the change. The Division reserves the right to require the Permittee to submit to the Division an updated air dispersion model before any proposed modifications or additions take place, including the addition of any concrete plant or asphalt plant.

8.2 The Permittee may make minor modifications and/or additions that are not addressed or prohibited by this Permit, which will automatically be covered by the permit, provided that the following requirements are met:

a. The process is similar in function and has control system similar to permitted equipment already on site (e.g. storage bin with baghouse).

b. The change is otherwise exempt from State permit review requirements under Rule 391-3-1-.03(6).

c. When calculating particulate matter PTE, NSPS grain loading emission limits and/or emission factors from AP-42 {The US EPA AP-42 document "Compilation of Air Pollutants Emission Factors," as revised} should be used whenever possible. In no event may a control efficiency greater in values than estimated by AP-42 for similar equipment be used in calculating potential emissions. Any process or control equipment assumed when calculating PTE must be installed and operated in a manner consistent with good operating practices, and any requirements of this permit relating to the type of equipment used.

d. All applicable NSPS requirements as well as any special conditions of this permit for Testing, Monitoring, Notification and Record Keeping are met.

e. For each such change, the Permittee's written notification shall be submitted well in advance, but not less than seven (7) days in advance, of such change and shall include a brief description of the change within the permitted facility, the date on which the change is proposed to occur, an updated Attachment A, and calculations showing the combined particulate matter PTE increase for all cumulative modifications not covered by the existing permit reviewed by the Division. The Permittee shall maintain a copy of such notice at the facility and shall attach it to this Permit.

f. Any control system assumed in calculating the combined particulate matter PTE increase shall become the minimum required control system and shall become a requirement of this Permit.

8.3 The Permittee may replace any equipment in Attachment A to this Permit with equipment that has a rated production capacity in tons per hour, based on design, equal to or less than the original permitted equipment, which shall be automatically covered by this permit. For the purpose of this condition, a replacement shall not reduce the particulate matter control efficiency. The Permittee shall meet all applicable requirements including, but not limited to, NSPS requirements for testing, notifications, and reporting. Prior to the replacement of any equipment, the Permittee shall submit a written notification well in advance, but not less than seven (7) days in advance, which includes the following:

a. Identification of the equipment as listed in Attachment A to this Permit that will be replaced.

b. A statement of the related capacity in tons per hour based on design for the original permitted equipment and the new equipment.

c. A statement of the particulate matter control efficiencies for the original permitted equipment and new equipment.

d. The date on which the replacement is proposed to occur.
e. If required, an update to Attachment A.

8.4 The Permittee may install and operate temporary processing equipment to replace lost processing capacity of equipment listed in Attachment A to this permit. The temporary processing equipment may not increase the overall processing rate of crushed stone as limited by this permit. Water sprays shall be installed, operated, and monitored to minimize fugitive dust from temporary processing equipment. The Permittee shall meet all applicable requirements including, but not limited to, NSPS requirements for testing, notifications, and reporting. Temporary processing equipment may not be installed at the quarry for more than eighteen (18) consecutive months without the Division's written approval. The Permittee shall submit a written notification well in advance, but not less than 7 days in advance, which includes the following:

a. An explanation of how the existing hourly limit on stone processing rate will not be exceeded while operating the temporary processing equipment.

b. A drawing that shows the temporary processing equipment and the location of the water sprays; and

c. The proposed installation and removal dates of temporary equipment.

9. Special Conditions

9.1 At any time that the Division determines that additional control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and welfare, the Division reserves the right to amend the provisions of this Permit pursuant to the Division's authority as established in the Georgia Air Quality Act and the rules adopted pursuant to that Act.

9.2 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of the fee shall be determined each year in accordance with the *"Procedures for Calculating Air Permit Fees."*

9.3 The Permittee shall keep at the permitted facility the originals or complete copies of this Air Quality Permit and any subsequent Amendments to it.

9.4 Georgia Air Quality Permits previously issued to this facility, including Air Quality Permit No. 3299-147-0006-B-02-0, is hereby revoked in their entirety.

Attachment A – Equipment List
BASF Colors & Effects USA, LLC
29 Pinciaro Lane
Hartwell, Georgia 30643 (Hart County)

Process[1]	Source Code	Controls	40 CFR 60 Subpart OOO Applicability	
			Constructed, modified, or reconstructed after August 31, 1983, and before April 22, 2008	Constructed, modified, or reconstructed on or After April 22, 2008
Mica Separation Plant				
Ore Pile	P1	None	Not applicable per 60.670(a)(1)	
Extec Screen	SC64	None	X	n/a
Primary Cyclone	CY1 - CY3	Wet Process	Exempt	Exempt
Rod Mill	RM1	Wet Process	Exempt	Exempt
Secondary Cyclone	CY4 – CY6	Wet Process	Exempt	Exempt
Spirals	CL5	Wet Process	Exempt	Exempt
Sizetec Screens (5)	SC18 – SC22	Wet Process	Exempt	Exempt
Sweco Screens (4)	SC24 – SC27	Wet Process	Exempt	Exempt
Density Separator (2)	DS1, DS2	Wet Process	Exempt	Exempt
Ball Mill	BM1	Wet Process	Exempt	Exempt
Centrifuge	CF21	Wet Process	Exempt	Exempt
Weigh Belt	CB1	Wet Process	Exempt	Exempt
Product Pile	P2	Wet Process	Exempt	Exempt
MFG North - Wet Plant				
Eagle Classifier	CL1	Wet Process	Exempt	Exempt
Derrick Screen (3)	SC9 - SC11	Wet Process	Exempt	Exempt
Centrifuges (7)	CF12 - 15, CF17 - 19	Wet Process	Exempt	Exempt
Spirals	CL4	Wet Process	Exempt	Exempt
Sweco Screens (9)	SC2 - 5, 7, 8, 28, 31, 32	Wet Process	Exempt	Exempt
Paste Piles (7)	P3,4,5,6,7,9,10	Wet Process	Exempt	Exempt
HMS Pile	P8	None	n/a	n/a
Chaser Mills (5)	CM7 - 10, 25	Wet Process	Exempt	Exempt
Chaser Mills (6)*	CM1 – CM6	Wet Process	n/a	n/a
Screw Conveyors (2)	CV16, CV22	Wet Process	Exempt	Exempt
Paste Hoppers (2)	H05, H06	Wet Process	Exempt	Exempt
MFG North – Dry Plant				
Dryer Feed Hopper*	H01	Wet Process	n/a	n/a

Process[1]	Source Code	Controls	40 CFR 60 Subpart OOO Applicability	
			Constructed, modified, or reconstructed after August 31, 1983, and before April 22, 2008	Constructed, modified, or reconstructed on or After April 22, 2008
Dryer Feed Screw Conveyors (2)*	CV38, CV45	Wet Process	n/a	n/a
Dryer*	D01	Stack Spray Nozzles	n/a	n/a
Boiler (5.23 MMBtu/hr., NG Fired)	B01	n/a	n/a	n/a
Screw Conveyors (8)*	CV13,17,29,30,31,32,41,44	None	n/a	n/a
Screw Conveyors (6)	CV1,3,4,7,27,42	Baghouse (F05)	X	n/a
#4 Sifter Discharge Conveyor	CV2	None	X	n/a
Tailings Screw Conveyor	CV5	Water/Steam Injection	X	n/a
Rema Bin Feed Screw Conveyor	CV6	Baghouse (F05)	X	n/a
Packaging Screw Conveyor 1	CV34	Bin Vent (F07)	X	n/a
Packaging Screw Conveyor 2	CV35	Bin Vent (F08)	X	n/a
Bucket Elevators (2)*	EL03, EL04	Baghouse (F05)	n/a	n/a
G,W. Sifers (4)	SC13 - 16	Baghouse (F05)	X	n/a
Sweco Sifter	SC12	Baghouse (F05)	X	n/a
95/45 Sweco Sifter	SC29	Out of Service (OOS)	X	n/a
Pour Up Station Sweco Sifter	SC23	Out of Service (OOS)	X	n/a
Rema Air Classifiers (2)	CL2, CL3	Baghouses (F02, F03)	X	n/a
Rema 3 Feed Bin	MFN – B03	None	X	n/a
Rema Oversize Bagging Stations (2)	BB5, BB6	None	X	n/a
Pour Up Station (2)	PU1, PU2	Baghouses (F02, F03)	X	n/a
Pour Up Station Discharge Conveyors (2)	CV11, CV12	None	X	n/a
Surge Bin*	B06	Baghouse (F05)	n/a	n/a
Vacuum System	BL6	Baghouse (F06)	X	n/a
Paper Packagers/Bulk Bagger 1	MFN – BP3, BP1	Bin Vent (F07)	X	n/a
Bin for Paper Packagers/Bulk Bagger 1	B01	Bin Vent (F07)	X	n/a
Paper Packagers/Bulk Bagger 2	MFN – BP4, BP2	Bin Vent (F08)	X	n/a
Bin for Paper Packagers/Bulk Bagger 2	B02	Bin Vent (F08)	X	n/a

Process[1]	Source Code	Controls	40 CFR 60 Subpart OOO Applicability	
			Constructed, modified, or reconstructed after August 31, 1983, and before April 22, 2008	Constructed, modified, or reconstructed on or After April 22, 2008
Filter Press	FP1	Wet Process	Exempt	Exempt
MFG South				
Mica Product Piles (2)	P11, P12	None	n/a	n/a
Chaser Mills (14)	CM11 – CM24	Wet Process	Exempt	Exempt
Sweco Screen	SC36	Wet Process	Exempt	Exempt
Centrifuges (15)	CF1 - CF9, 11, 20, CF22 - CF25	Wet Process	Exempt	Exempt
Spray Dryer	D02	Bin Vent (F09)	X	n/a
Spray Dryer Screw Conveyor	CV36	Baghouse (MFS – B03, F10)	X	n/a
Spray Dryer Bagger	MFS - BP4	Bin Vent (F09)	X	n/a
Bin for Bagger and Box Filler 1	MFS - B03	Bin Vent (F09)	X	n/a
Product Box Filler 1	MFS - BP1	Bin Vent (F09)	X	n/a
Coated Product Box Filler 2	MFS – BP2	Baghouse (F10)	X	n/a
Coated Product Filter Press	FP2	Wet Process	Exempt	Exempt
Tank 76 Pour Up Station	T76	Bin Vent (F11)	n/a	X
Bulk Storage Facility				
Product Silos (3) [Out of Service (OOS)]	S11 – S13	None	X	n/a
Truck Loading Stations (3) [Out of Service (OOS)]	TL1 – TL3	None	X	n/a
Mica Product Piles (7)	P13 – P19	None	n/a	n/a

[1] This table contains information regarding specific emissions points and was created as a reference for certain other Conditions in this Permit (or Permit Amendment). It is not intended to be a comprehensive list of all air pollution sources at this facility and may not include every minor or fugitive emission source. Future minor modifications or additions at this facility may be exempted from permitting by the Georgia Rules for Air Quality Control and may occur without causing this Attachment to be updated.

[2] The control device column is intended to identify emission controls. Sources identified as “water carryover” rely on water moisture previously applied by required water sprays; and “wet process” requires saturation of aggregates with water.

[3] The NSPS column is intended to distinguish between “affected facilities” and “existing facilities” or “exempt facilities”. Sources identified as n/a are those types of process equipment/operation not regulated by NSPS Subpart OOO. Hence the NSPS limits do not apply regardless of the age of those types of process equipment/operation.

[4] (*) Equipment constructed prior to 1983. (X) denotes applicability.